

Please enter the substitute specification as attached hereto. Also enclosed is marked-up copy of the substitute specification showing additions and deletions.

IN THE CLAIMS:

Please cancel claims 12 through 15.

Please amend the claims as follows:

1. (Amended) A method for transferring data on a bus system [in which] using both isochronous communication and asynchronous communication [are employed]; said isochronous communication is for any device on the bus to receive synchronous data; said asynchronous communication is for a predetermined device to receive asynchronous data; said synchronous data [may] capable of containing actual data[;] and [said synchronous data also contains] encryption identification information [at an area other than said actual data; said encryption identification information indicates the status of encryption of said] indicating encrypted actual data; and encrypted actual data is decrypted using decrypting information obtained through the following steps:

12 a) [a receiving device] receiving said synchronous data [makes a] at a receiving device, and said receiving device via said asynchronous communication requesting [for] decrypting information [of] for said actual data [to] from a sending device sending said synchronous data [via said

16 asynchronous communication], if said encryption identification [information
17 indicates that said] indicates encrypted actual data [is encrypted];

18 b) [said sending device] receiving said request [sends] at said
19 sending device and said sending device sending one of:

20 i) encrypted decrypting information of said actual data; and

21 ii) [data required for obtaining said] decrypting information data
22 for obtaining said decrypting information,

23 to said receiving device via said asynchronous communication;

24 and

25 c) [said receiving device executes] executing at said receiving
26 device one of:

27 i) [taking out] extracting said decrypting information from said
28 encrypted decrypting information [when said receiving device receives said
29 encrypted decrypting information]; and

30 ii) obtaining said decrypting information using said [data for
31 obtaining said] decrypting information data [when said receiving device
32 receives said data for obtaining decrypting information].

1 2. (Amended) The method for transferring data as defined
2 in Claim 1, wherein a plurality of [types of] procedures are available between
3 the steps of detecting [encryption of said] encrypted actual data and obtaining

4 said decrypting information by said receiving device receiving said
5 synchronous data; and said receiving device executes the [next] following
6 steps for obtaining said decrypting information before requesting said
7 decrypting information:

8 i) querying said sending device of types of procedures
9 executable by said sending device before requesting said decrypting
10 information;

11 ii) selecting a procedure from those executable by both said
12 sending device and receiving device; and

13 iii) obtaining said decrypting information in accordance with
14 said selected procedure.

1 3. (Amended) The method for transferring data as defined
2 in Claim 2, wherein [said] a procedure is selected in accordance with a
3 predetermined priority when there are a plurality of procedures executable by
4 both of said sending device and said receiving device.

1 4. (Amended) The method for transferring data as defined
2 in Claim 1, wherein a plurality of [types of] procedures are available between
3 the steps of detecting [encryption of said] encrypted actual data and obtaining
4 [of] said decrypting information by said receiving device receiving said
5 synchronous data; and said receiving device executes the [next] following
6 steps for obtaining said decrypting information:

1 7. (Amended) The method for transferring data as defined
2 in one of Claims 1 to 5, 16 and 17, wherein said sending device receiving a
3 request for said decrypting information authenticates that said receiving

4 device is an authorized receiving device before sending encrypted decrypting
5 information of said actual data [after confirming].

1 8. (Amended) The method for transferring data as defined
2 in one of Claims 1 to 5, 16 and 17, wherein said sending device and said
3 receiving device [mutually] are authenticated [that both are] as authorized
4 [sending] devices [and receiving device] before said receiving device makes a
5 request for said decrypting information.

1 9. (Amended) The method for transferring data as defined
2 in one of Claims 1 to 5, 16 and 17 [8], wherein the [next] following steps are
3 executed before said receiving device makes a request for said decrypting
4 information:

5 i) said receiving device [sends] sending information required by
6 said sending device at least for [creating] establishing a common key [to]
7 with said sending device; and

8 ii) said sending device [sends] sending information required by
9 said receiving device at least for [creating] establishing said common key [to]
10 with said receiving device;

11 and [then] said sending device [encrypts] encrypting said
12 decrypting information using said common key and [sends] sending said
13 encrypted decrypting information; and said receiving device [takes out]
14 extracting said decrypting information from said encrypted decrypting
15 information received using said [common] encryption key.

1 11. (Amended) The method for transferring data as defined
2 in one of Claims 1 to 5, 16 and 17, wherein said sending device [has]
3 includes a signal source [of] for said actual data [inside] and determines
4 encryption of [each of] said actual data in a fixed length unit which is output
5 from said signal source; and said sending device places encrypted actual data
6 and non-encrypted actual data in different output units of said synchronous
7 communication, and then outputs them to said bus system.

Please add new claims 16 through 20.

16. (Newly Added) The method for transferring data as
defined in Claim 3, wherein said asynchronous data transmitted between said
sending device and said receiving device in accordance with said selected
procedure contains an identifier for indicating the type of said procedure
executed.

1 17. (Newly Added) The method for transferring data as
2 defined in Claim 4, wherein said asynchronous data transmitted between said
3 sending device and said receiving device in accordance with said selected
4 procedure contains an identifier for indicating the type of said procedure
5 executed.

1 18. (Newly Added) The method for transferring data as
2 defined in Claims 1 to 5, 16 and 17, wherein said receiving device

3 authenticates whether said sending device is an authorized sending device
4 before making a request for said decrypting information.

1 19. (Newly Added) The method for transferring data as
2 defined in Claim 10, wherein the following steps are executed before said
3 receiving device makes a request for said decrypting information:

4 i) said receiving device sending information required by said
5 sending device at least for establishing a common key with said sending
6 device; and
7 ii) said sending device sending information required by said
8 receiving device at least for establishing said common key with said receiving
9 device;

10 and said sending device encrypting said decrypting information
11 using said common key and sending said encrypted decrypting information;
12 and said receiving device extracting said decrypting information from said
13 encrypted decrypting information received using said common encryption
14 key.

1 20. (Newly Added) The method for transferring data as
2 defined in Claim 11, wherein the following steps are executed before said
3 receiving device makes a request for said decrypting information:

4 i) said receiving device sending information required by said
5 sending device at least for establishing a common key with said sending
6 device; and